

Title (en)
LIQUID DISCHARGE APPARATUS

Title (de)
FLÜSSIGKEITSAUSGABEVORRICHTUNG

Title (fr)
APPAREIL DE DÉCHARGE DE LIQUIDE

Publication
EP 3715129 A1 20200930 (EN)

Application
EP 20162949 A 20200313

Priority
JP 2019057720 A 20190326

Abstract (en)
A liquid discharge apparatus includes an actuator and a drive circuit (7). The actuator (85) is configured to cause liquid to be discharged from a nozzle (51). The drive circuit is configured to apply a waveform (WK1-WK7) to the actuator during a discharge cycle in accordance with a discharge trigger and to cause a voltage of the actuator to be maintained at a value from an end of the discharge cycle until reception of a subsequent discharge trigger.

IPC 8 full level
B41J 2/045 (2006.01)

CPC (source: CN EP US)
B41J 2/04501 (2013.01 - CN); **B41J 2/04541** (2013.01 - CN EP US); **B41J 2/04551** (2013.01 - EP); **B41J 2/04581** (2013.01 - EP US); **B41J 2/04588** (2013.01 - EP US); **B41J 2/04595** (2013.01 - EP); **B41J 2002/1437** (2013.01 - EP); **B41J 2202/15** (2013.01 - EP)

Citation (search report)

- [X] US 8414097 B2 20130409 - SASAKI TAKAFUMI [JP]
- [XYI] EP 3354461 A1 20180801 - TOSHIBA TEC KK [JP]
- [XY] US 6663208 B2 20031216 - SUZUKI SHIGERU [JP], et al
- [XI] EP 1238804 A2 20020911 - SEIKO EPSON CORP [JP]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3715129 A1 20200930; CN 111746115 A 20201009; CN 111746115 B 20220719; JP 2020157535 A 20201001; JP 7130584 B2 20220905; US 11059287 B2 20210713; US 2020307187 A1 20201001

DOCDB simple family (application)
EP 20162949 A 20200313; CN 202010104867 A 20200220; JP 2019057720 A 20190326; US 202016781534 A 20200204